

609-961646
1420459
2208918

SPECIFICATIONS for FUSION
SPLICER

General: Vendor to supply latest model fusion splicer (OptiSplice M90e or FSM-60S fusion splicer or equal.

- Splicer to be single-mode and multimode.
- Unit to have minimum 39 factory preset programs with the ability to have multiple custom user-defined programs.
- Coating diameter to be a minimum 100 μm to 900 μm .
- Cladding diameter to be a minimum 50 μm to 150 μm .
- Fiber loss to be minimum 0.02 dB with SM, 0.01 dB with MM, 0.03 dB with DS, and 0.04 dB with NZDS.
- Splicing time to be maximum 10 seconds with standard single-mode fiber.
- Storage of splice results to be minimum of 2000 splices.
- Viewing method to be a minimum of 120X magnification.
- Monitor to be a minimum of 4.0 inches.
- Tube heating time to be a maximum of 30 seconds with FP-03 sleeve and 55 seconds with micro sleeves.
- Altitude compensation to be a minimum 0 to +4500 m above sea level manually or automatically by built-in GPS system.
- Unit to be powered by 110 V to 240 V or by battery.
- Unit weight to be a maximum of 6.0 pounds with battery.
- Unit to have heat-shrink, splice protector or crimp & go device.
- Monitor to be color with sensor for automatic adjustment.
- Unit to be equipped for interface ports.
- Unit to be equipped with automatic and manual Arc calibration method.
- Unit to be equipped with battery and power cords.
- Unit to be equipped with CDS (core detection system).
- Unit to be FOB destination.
- Delivery time may be a factor in the award of this contract.
- Vendor to supply a minimum of 2 year warranty.
- Vendor to supply a minimum of 4 hours in house training.